

Rule 11. Diagnostic Radiation Machine Operators; Certification

410 IAC 5-11-1 Definitions

Sec. 1. As used in 410 IAC 5-11:

"Board" means the Indiana state board of health.

"Board-approved" means that a matter has been presented to the board for consideration and has received the board's approval.

"CAHEA" means Committee on Allied Health Education and Accreditation.

"Certificate" means a license and the term is used synonymously with license pursuant to IC 13-1-2-11(c).

"Certification" means an authorization to operate a radiation machine in some capacity. This term is used synonymously with licensure pursuant to IC 13-1-2-11.

"Committee" means the radiologic technology certification committee.

"Dental hygienist" means a person licensed under IC 25-13-1.

"General certification" means an authorization to perform all diagnostic radiographic procedures.

"JRCERT" means Joint Review Committee on Education in Radiologic Technology.

"Limited certification" means an authorization to perform diagnostic radiographic procedures limited to specific areas of the human body and done with direct on-site practitioner supervision.

"On-the-job training program (OJT)" means a board-approved course of study which is coordinated by the sponsoring practitioner of the healing arts.

"Operator" means that person, under the direction of a healing arts practitioner, who physically positions the patient, the X-ray film, sets the exposure factors and actuates or directs the actuation of the X-ray tube for diagnostic purposes.

"Practitioner of the healing arts" means a person licensed to practice medicine or osteopathic medicine, pursuant to IC 25-22.5; to practice dentistry, pursuant to IC 25-14-1; to practice chiropractic medicine, pursuant to IC 25-10-1; and to practice podiatric medicine, pursuant to IC 25-29-1.

"Radiation machine" means a diagnostic X-ray machine.

"Radiologic technologist" means an individual, other than a licensed practitioner, who (a) performs, may be called upon to perform, or who is certified to perform a comprehensive scope of diagnostic radiologic procedures employing equipment which emits ionizing radiation and (b) is delegated or exercised [*sic.*] responsibility for the operation of radiation generating equipment, the shielding of patient and staff from unnecessary radiation, the appropriate exposure of radiographs or other procedures which contribute to any significant extent to the site or dosage of ionizing radiation to which a patient is exposed. Radiologic technologists are distinguished from personnel whose use of diagnostic procedures is limited to a few specific body sites and/or standard procedures, from those personnel in other clinical specialties who may occasionally be called upon to assist in diagnostic radiology, and from those technicians or assistants whose activities do not, to any significant degree, determine the site or dosage of radiation to which a patient is exposed.

"Radiologic technology" means the application of X-rays to human beings for diagnostic or therapeutic purposes.

"Student" means a person attending a board-approved course in radiologic technology or a person who has satisfactorily completed a board-approved course in radiologic technology and has not yet received his results from the first certification test after his completing of the course.

"Temporary status" means an authorization to operate a radiation machine on human beings for a period of time not to exceed the notification of the results of the third consecutive test after completion of a board-approved training course.

410 IAC 5-11-2 Display of certificate

Sec. 2. Any operator must prominently display a current certificate at his place of employment authorizing all utilized procedures.

410 IAC 5-11-3 Exemptions

Sec. 3. Exception to 410 IAC 5-11:

(a) practitioners of the healing arts are exempt;

(b) dental hygienists licensed with the state of Indiana are exempt;

(c) students in board-approved programs of general radiologic technology under the direction of a certified radiologic technologist are exempt;

(d) students in board-approved programs of limited radiologic technology under the direction of a healing arts practitioner are exempt;

(e) students in healing arts practitioner schools where the student is under the direction of a practitioner of the healing arts

are exempt;

(f) students participating in board-approved OJT programs under direct on-site supervision of a practitioner of the healing arts are exempt;

(g) operators of radiation equipment on other than living human beings are exempt;

(h) radiologic technologists who were certificated by the American Registry of Radiologic Technologists (ARRT) or any other similar professional organization recognized and approved by the board are exempt from the requirements found in 410 IAC 5-11-4 or 410 IAC 5-11-5 and will be granted a certificate upon proof of certification by the professional organization and the satisfactory completion of an application form approved by the board;

(i) **The law supporting this section has been repealed. Therefore, this section is no longer enforced.**

(j) an individual from another state seeking reciprocity with Indiana in the area of limited dental radiography will be granted a limited certificate upon the satisfactory completion of an application form approved by the board and providing proof of passing the Dental Assisting National Board (DANB) exam for general chairside assisting;

(k) the board may grant such exemptions or exceptions from the requirements of 410 IAC 5-11 as it determines are necessary and will not result in an undue hazard to public health and safety.

410 IAC 5-11-4 General certification

Sec. 4. The requirements for the general certification of diagnostic X-ray machine operators for use on human beings are as follows:

(a) An applicant for general certification as an operator of a radiation machine who is not elsewhere exempted in 410 IAC 5-11 shall:

(1) have graduated from a CAHEA/JRCERT approved program;

(2) have satisfactorily completed the board approved American registry of radiologic technologists examination and be certified by the American registry of radiologic technologist in diagnostic radiology designated as ARRT(R);

(3) have satisfactorily completed an application form approved by the board. &B11.(b) An applicant may challenge the board-approved examination three (3) consecutive times with a valid temporary status letter. After the third unsuccessful attempt at the board-approved examination, the temporary status is no longer valid and the applicant must refrain from taking radiographs in Indiana until he/she is successful in passing the examination.

(c) All certificates are valid for two (2) years.

410 IAC 5-11-5 Limited certification

Sec. 5. Limited certification may be granted to operators in five (5) areas:

(a) Areas of practice are limited as follows:

(1) chest X-ray procedures are limited to radiography of the chest only;

(2) chiropractic X-ray procedures are limited to spine and extremities;

(3) dental X-ray procedures are limited to dental radiography;

(4) limited general X-ray procedures are limited to radiography of the human body without the use of contrast media;

(5) podiatry X-ray procedures are limited to radiography of the foot, ankle, and lower leg below the knee.

(b) Applicants for limited certification as operators of diagnostic X-ray equipment not elsewhere exempted in 410 IAC 5-11 must comply with the following requirements:

(1) dental radiography applicants shall have satisfactorily completed either a formal educational program from a school whose radiographic program is approved by the commission on dental accreditation or a formal educational program approved by the board or a board approved OJT program;

(2) limited general, chest, chiropractic and podiatric radiology applicants shall have first satisfactorily completed a board approved OJT program.

(c) Applicant shall have satisfactorily completed an examination approved by the board after fulfilling requirements of subdivision (b)(1) or (b)(2) of this section;

(1) the board-approved examinations for limited certification follows:

(A) In the area of dental radiography either the Dental Assisting National Board (DANB) examination in general chairside assisting or the DANB Dental Radiation Health and Safety examination.

(B) In the area of chiropractic radiography either the American Chiropractic Registry of Radiologic Technologists (ACRRT) examination or the Indiana state board of health board approved examination.

(C) The Indiana state board of health examination is the board-approved exam for the following limited areas; chest radiography, limited general radiography and podiatric radiography.

- (2) applicant may challenge the board-approved examination three (3) consecutive times with a valid temporary status letter;
- (3) after the third unsuccessful attempt at the board-approved examination, the temporary status is no longer valid and the applicant must refrain from taking radiographs in Indiana until he/she has had further board-approved education and passed the board-approved examination.
- (d) Applicant must have satisfactorily completed an application form approved by the board indicating the appropriate limited category.
- (e) Limited certificates are valid for two (2) years.
- (f) Operators who have been granted a limited certification shall at all times have on-site practitioner supervision. The practitioner shall be responsible for assessment of the diagnostic quality and pathology of the radiograph exposed by the operator with limited certification.

410 IAC 5-11-6 Renewal of certification

Sec. 6. (a) Thirty (30) days prior to the expiration of a person's certification, a renewal application for certification for a term of two (2) years shall be submitted to the board on a form approved by the board.

(b) An individual whose certificate has been expired for longer than four (4) months will be required to resubmit all board required documentation to receive certification.

(c) An individual with an expired certificate shall not take radiographs in Indiana until recertified.

410 IAC 5-11-7 Denial, revocation and suspension of certificates

Sec. 7. (a) The certificate of any operator may be denied, revoked, or suspended by the board if after due hearing the board determines that the operator:

- (1) has engaged in dishonorable, unethical, or unprofessional conduct of a character likely to deceive, defraud, or harm the public;
- (2) becomes a drug abuser as defined in IC 16-13-6.1-2;
- (3) becomes an alcohol abuser as defined in IC 16-13-6.1-2;
- (4) develops such physical or mental disability or other condition that continued practice or performance of his duties may be dangerous to patients or the public;
- (5) fails to comply with any rule of the board relating to the certification of operators or sources of radiation; or
- (6) has operated an X-ray machine that does not meet all applicable requirements set forth in 410 IAC 5-6 (Radiological Health X-rays in the Healing Arts) or any rule of the board.

(b) When the certificate of any person has been revoked or suspended as herein provided, the board may, after the expiration of two (2) years, entertain an application for restoration of such certificate.

410 IAC 5-11-8 Charges against operators; hearings

Sec. 8. The board shall furnish the certificate holder with written notice setting out the substance of each offense charged with sufficient detail to reasonably apprise such person of the nature, time, and place thereof. The certificate holder shall have the right to be present in person or be represented by counsel, to present evidence, and to be heard in opposition to the charges which may be instituted. The hearing may be conducted by a hearing officer appointed by the board and shall be in accordance with IC 4-21.5.

410 IAC 5-11-9 Radiologic technology certification committee; duties

Sec. 9. To assist the board in administering 410 IAC 5-11, a radiologic technology certification committee described below shall be appointed by the board and should consist of two (2) licensed physicians who limit their practice to radiology, one (1) family practitioner, one (1) chiropractor, one (1) podiatrist, one (1) dentist, and three (3) radiologic technologists.

- (a) The committee may evaluate the training and experience of applicants and make recommendations to the board.
- (b) The committee may recommend amendments of 410 IAC 5-11 to the board.
- (c) The committee will assist the board in any directed capacity.
- (d) The committee may develop application forms for approval by the board.

410 IAC 5-11-10 Use of testing services and review committees

Sec. 10. The board and the radiologic technology certification committee may utilize nationally accepted testing services and review committees to assist in it in the administration of 410 IAC 5-11.